

Focus Area 12: Heart Disease and Stroke

Objective 12-7 targets an overall reduction in the stroke death rate to 48.0 per 100,000 population.

California's age-adjusted death rates for stroke declined significantly from 62.6 per 100,000 population in 2000 to 50.3 per 100,000 in 2004 (Figure 12-7, Table 12-7). Although declining, California's stroke death rates are still significantly higher than the HP2010 objective of 48.0 per 100,000 population.

Age-adjusted stroke death rates for males were not significantly different than those for females (50.1 per 100,000 males in 2004 compared with 49.7 per 100,000 females in 2004). Although stroke death rates have declined significantly for both genders between 2000 and 2004, the HP2010 objective is not being achieved for either gender as of 2004.

California data by race and ethnicity show that African Americans/Blacks had significantly higher age-adjusted stroke death rates than any other racial or ethnic population: 75.6 per 100,000 in 2004. The next highest stroke death rates were reported for Pacific Islanders (62.7 per 100,000 in 2004), followed by Whites (50.7 per 100,000 in 2004). The HP2010 objective is not being achieved for either of these race groups as of 2004. The objective for stroke death rates is, however, being achieved for the American Indian/Alaska Native, Asian, Hispanic/Latino, and the Multirace populations as of 2004.

For more information on stroke in California, visit the California Heart Disease and Stroke Prevention Program Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Chronic/chdsp/index.htm>

For more information on Healthy People 2010 objective 12-7, please visit:

http://www.healthypeople.gov/Document/HTML/Volume1/12Heart.htm#_Toc490544221

and

<http://www.healthypeople.gov/Document/html/tracking/od12.htm#stroke>

Figure 12-7
Stroke Death Rates
California, 2000-2004

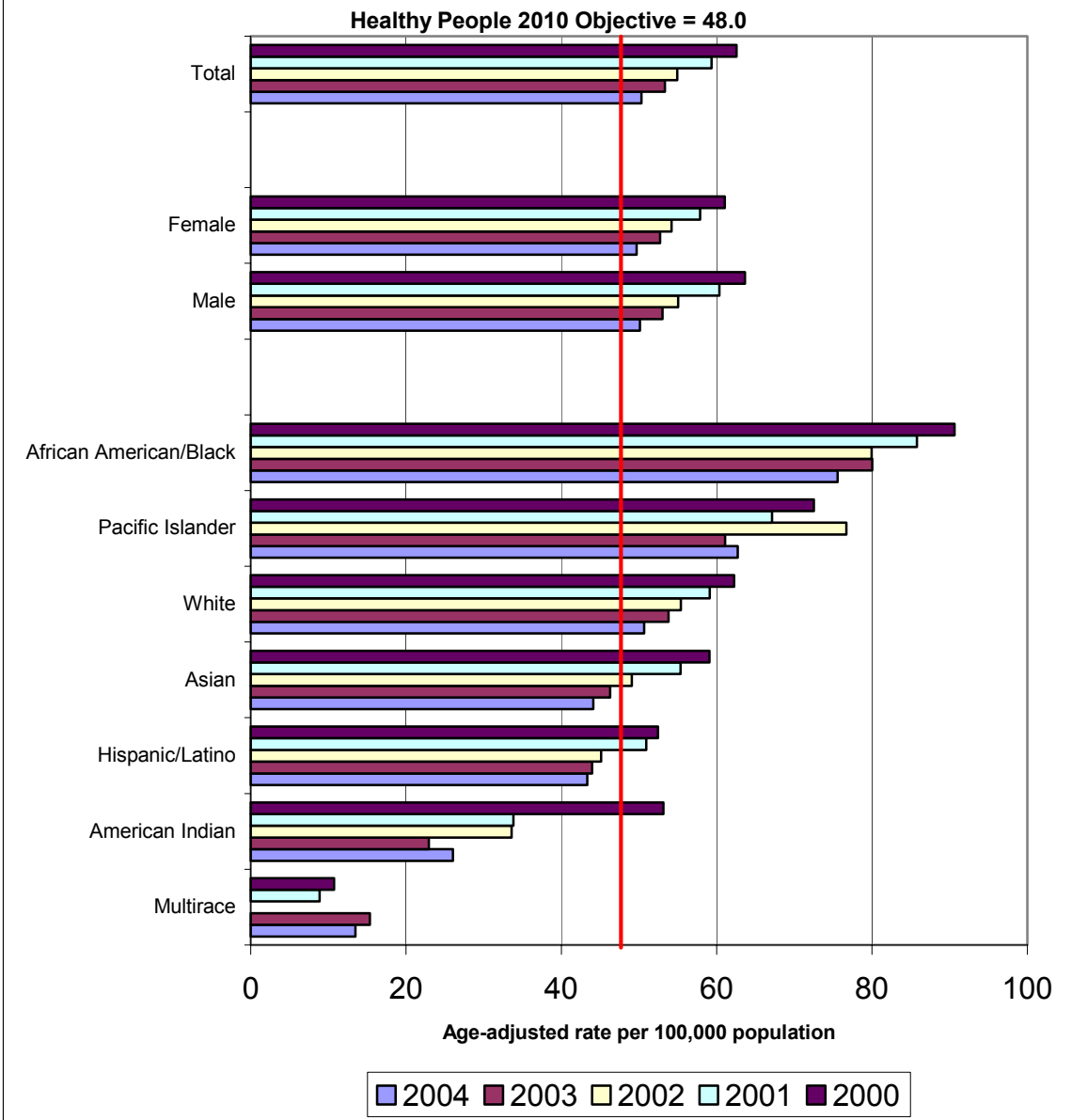


Table 12-7: Stroke Deaths and Death Rates
California, 2000-2004

Objective 12-7	2000 N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	2001 N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target		48.0				48.0		
Statewide Total	18,090	62.6	61.7	63.5	18,078	59.3	58.5	60.2
Race-Ethnicity								
African American/Black	1,348	90.6	85.7	95.5	1,335	85.8	81.1	90.4
American Indian/Alaska Native	60	53.1	39.2	67.0	48	33.8	24.0	43.6
Asian	1,527	59.1	56.0	62.1	1,592	55.3	52.3	58.1
Hispanic/Latino	1,935	52.4	50.0	54.9	2,038	50.9	48.6	53.3
Pacific Islander	39	72.5	47.0	98.1	34	67.1	42.8	91.4
White	13,152	62.2	61.2	63.3	13,004	59.1	58.1	60.1
Multirace	26	10.7	6.4	15	25	8.9	5.3	12.5
Gender								
Female	10,825	61.1	59.9	62.2	10,783	57.9	56.8	59.0
Male	7,265	63.6	62.1	65.1	7,295	60.4	59.0	61.8

Objective 12-7	2002 N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	2003 N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target		48.0				48.0		
Statewide Total	17,550	54.9	54.1	55.8	17,685	53.3	52.6	54.1
Race-Ethnicity								
African American/Black	1,309	80.0	75.6	84.4	1,357	80.0	75.7	84.4
American Indian/Alaska Native	56	33.6	24.5	42.8	41	22.9	15.7	30.2
Asian	1,539	49.1	46.6	51.5	1,566	46.3	44.0	48.6
Hispanic/Latino	1,977	45.1	43.0	47.2	2,063	44.0	42.0	45.9
Pacific Islander	49	76.7	53.8	99.6	47	61.1	42.4	79.8
White	12,596	55.4	54.4	56.4	12,550	53.8	52.9	54.8
Multirace	20	DSU	-----	-----	52	15.4	11.1	19.6
Gender								
Female	10,507	54.2	53.1	55.2	10,591	52.7	51.7	53.7
Male	7,043	55.0	53.8	56.3	7,094	53.0	51.8	54.3

Objective 12-7	2004 N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	5-year Trend	HP2010 Objective Being Achieved?
Healthy People 2010 Target		48.0				
Statewide Total	16,883	50.3	49.5	51.1	Sig. -	No
Race-Ethnicity						
African American/Black	1,303	75.6	71.4	79.7	Sig. -	No
American Indian/Alaska Native	53	26.0	18.8	33.3	ns	Yes
Asian	1,571	44.1	41.9	46.3	Sig. -	Yes
Hispanic/Latino	2,138	43.3	41.4	45.2	Sig. -	Yes
Pacific Islander	47	62.7	43.8	81.6	ns	No
White	11,705	50.7	49.7	51.6	Sig. -	No
Multirace	49	13.5	9.6	17.3	n/a	Yes
Gender						
Female	10,049	49.7	48.7	50.7	Sig. -	No
Male	6834	50.1	48.9	51.3	Sig. -	No

SOURCES: CA Department of Health Services, Death Records, 2000-2004; CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: Stroke deaths defined by ICD-10 codes I60-I69.

¹ Rate per 100,000 population, age-adjusted using the 2000 US population standard.

Sig. - Statistically significant decrease in age-adjusted death rates from 2000 to 2004.

Sig. + Statistically significant increase in age-adjusted death rates from 2000 to 2004.

ns No significant trend as measured by linear regression analysis; n/a Not applicable (fewer than five data points)

DSU Data statistically unreliable (Relative Standard Error greater than 23 percent).